

US EPA ARCHIVE DOCUMENT

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: February 11, 1980

SUBJECT: Reg.#352-270 Preliminary report on chronic rat feeding study with the compound Linuron. 6(a)(2) data Accession#241635 CASWELL#528

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Discussion

Du Pont recently completed a two-year feeding study with linuron (3-(3,4-dichlorophenyl)-1-methoxyl-1-methylurea) in rats at its Haskell Lab, using dietary levels of 0, 50, 125, and 625 PPM (80/sex/group). The submitted package provided a summary of histopathological findings concerning the incidence of neoplasms observed. It was stated a complete report is being prepared and a copy will be submitted to the agency by March 1, 1980.

No protocol for the study was submitted however a summary presentation of microscopic and histopathology findings was supplied.

The trigger noted in the summary was the high and dose related incidences of testicular neoplasms observed in the test male rats fed linuron - summary as follows:

SUMMARY OF INCIDENCES OF TESTICULAR NEOPLASMS  
OBSERVED IN CHR-CD CONTROL AND TEST MALE RATS FED LINURON

	Dose (ppm)	Control	50	125	625
Neoplasm	Sex	M	M	M	M
	Number in Group	70	69	70	70
Interstitial cell adenoma, unilateral		3	4	8	11
Interstitial cell adenoma, bilateral		1	5	11	26
Values of p for combined incidences		p=.105	p=.0004	p	.0001

Fisher's exact, one tail cumulative probability.

(2)

The results of this study clearly indicate positive tumorigenic activity of the compound Linuron in the rat. This was a summary report, risk assessment will follow the final report. No other pathology of concern was noted in the submitted summary.